2021-22

QUALITY CONTROL TEST REPORT

Name of the Client: **Executive Engineer,** ByatarayanapuraDivision, BBMP, Bangalore

Agency: **Sri R Shivaram,** Contractor, Bangalore.

Name of the Work: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Quality

M/s. CIVIL QUALITY CONSULTANTS& ENGINEERS

(Buildings Geo-Tech & Road Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited as per ISO-17025: 2017 Laboratory

#133, Bhuvaneshwarinagar, DoddaBasti Main Road, Bangalore-560056
E-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 Mob: 9886998316

Scanned by CamScanner

QC-ABSTRACT

Name of Work:- Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	PCC 1:3:6	184.61 Cum	1	1	Cement
					Sand, Aggregates
2	Steel	26.13 Tonne	1	1	-
3	M20	388.17 Cum	11	11	Concrete Cube Compressive Strength
4	Slab 100mm	917.10 Sqm	1	1	Compressive strength
5	Slab 250mm	83.25 Sqm	1	1	Compressive strength

Cubes

0-5 m^3	1set
6-15 m^3	2set
16-30 m^3	3set
31-50 m^3	4 set

Add 1set for every 50 Cum

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಆಯುಕ್ತರು ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೯೫

CIVIL QUALITY CONSULTANTS & ENGINEERS
Bangalore

Scanned by CamScanner

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date:18.08.2021

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency : **Sri R Shivaram,** Contractor, Bangalore.
Name of Work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID: : Cement (Dalmia 53 grade OPC)
Sample Supplied by: : AGENCY
Date of Manufacture: : July - 2021
Date of Testing : 16.08.2021 to 18.08.2021

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50%	-

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-24

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22 Date : 18.08.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency : **Sri R Shivaram,** Contractor, Bangalore.
Name of Work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Date of Testing : 18.08.2021
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	86	8.60	8.60	91.4	90-100
2.36	104	10.40	19.00	81.0	75-100
1.18	169	16.90	35.90	64.1	55-90
600 Micron	215	21.50	57.40	42.6	35-59
300 Micron	157	15.70	73.10	26.9	8-30
150 Micron	178	17.80	90.90	9.1	0-10

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Scanned by CamScanner

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date : 18.08.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of Work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Date of Testing : 18.08.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	195	1.30	1.30	98.70	95-100
20	8264	55.09	56.39	43.61	30-70
10	3152	21.01	77.41	22.59	10-35
4.75	2825	18.83	96.24	3.76	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date : 18.08.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of Work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Date of Testing : 18.08.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	213	4.3	4.3	95.7	95-100
10	2695	53.9	58.2	41.8	25-55
4.75	1751	35.0	93.2	6.8	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date : 18.08.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of Work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Date of Testing : 18.08.2021

Material : Sand(Masonry)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	21	2.10	2.10	97.9	90-100
1.18	16	1.60	3.70	96.3	70-100
600 Micron	77	7.70	11.40	88.6	40-100
300 Micron	243	24.30	35.70	64.3	5-70
150 Micron	498	49.80	85.50	14.5	0-15

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date :18.08.2021

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP,

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of Work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Steel Dia/Length : 8mm,10mm,12mm" TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test :18.08.2021

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.396	502	597	1.19	17.5
2	TMT	10	0.617	527	613	1.16	14
3	TMT	12	0.889	514	624	1.21	20

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 12.10.2021

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	: **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Contractor	:	: **Sri R Shivaram,** Contractor, Bangalore.
Name of Work	:	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	12.10.2021
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.356	2324.48	1.56	0.952	32.50	16.55	17.88	17.03	21.28
2	50.00	81.00	0.374	2351.56	1.62	0.959	33.70	17.16	18.54	17.78	22.22
3	50.00	84.00	0.394	2388.84	1.68	0.965	34.60	17.62	19.03	18.37	22.97

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 12.10.2021

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Client	:	**: Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Contractor	:	**: Sri R Shivaram,** Contractor, Bangalore.
Name of Work	:	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	12.10.2021
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{25}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	115.00	1.693	2314.11	1.28	0.922	133.80	21.03	22.71	20.94	26.18
2	90.00	118.00	1.768	2355.19	1.31	0.926	135.10	21.24	22.94	21.23	26.54
3	90.00	121.00	1.841	2391.63	1.34	0.929	137.40	21.60	23.33	21.67	27.09

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 02.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of the work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2021	02.09.2021	8.098	347.9	15.46
2	26.08.2021	02.09.2021	8.114	360.2	16.01
3	26.08.2021	02.09.2021	8.061	385.1	17.12

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 02.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of the work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2021	02.09.2021	8.111	366.8	16.30
2	26.08.2021	02.09.2021	8.129	387.2	17.21
3	26.08.2021	02.09.2021	8.147	394.5	17.53

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 02.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	**: Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2021	02.09.2021	8.196	351.6	15.63
2	26.08.2021	02.09.2021	8.175	367.7	16.34
3	26.08.2021	02.09.2021	8.152	383.4	17.04

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 13.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of the work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.09.2021	13.09.2021	8.162	389.5	17.31
2	06.09.2021	13.09.2021	8.131	373.4	16.60
3	06.09.2021	13.09.2021	8.115	362.4	16.11

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 13.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of the work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.09.2021	13.09.2021	8.065	358.5	15.93
2	06.09.2021	13.09.2021	8.089	369.5	16.42
3	06.09.2021	13.09.2021	8.112	379.8	16.88

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

R SHIVA

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 13.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	: **Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.09.2021	13.09.2021	8.178	381.6	16.96
2	06.09.2021	13.09.2021	8.191	371.7	16.52
3	06.09.2021	13.09.2021	8.153	356.5	15.84

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 24.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of the work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.09.2021	24.09.2021	8.146	342.5	15.22
2	17.09.2021	24.09.2021	8.121	357.9	15.91
3	17.09.2021	24.09.2021	8.107	374.6	16.65

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 24.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	: **Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.09.2021	24.09.2021	8.011	347.8	15.46
2	17.09.2021	24.09.2021	8.045	338.5	15.04
3	17.09.2021	24.09.2021	8.079	362.7	16.12

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

R SHIVA

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 24.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	: **Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.09.2021	24.09.2021	8.152	345.4	15.35
2	17.09.2021	24.09.2021	8.137	358.6	15.94
3	17.09.2021	24.09.2021	8.129	373.1	16.58

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 29.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	: **Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.09.2021	29.09.2021	8.059	350.7	15.59
2	22.09.2021	29.09.2021	8.097	368.4	16.37
3	22.09.2021	29.09.2021	8.114	379.8	16.88

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 29.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	**: Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.09.2021	29.09.2021	8.047	378.7	16.83
2	22.09.2021	29.09.2021	8.013	396.5	17.62
3	22.09.2021	29.09.2021	8.054	381.4	16.95

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22 Date: 23.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of the work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2021	23.09.2021	8.015	477.5	21.22
2	26.08.2021	23.09.2021	8.036	489.2	21.74
3	26.08.2021	23.09.2021	8.059	506.3	22.50

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22 Date: 23.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	: **Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2021	23.09.2021	8.094	484.2	21.52
2	26.08.2021	23.09.2021	8.085	497.2	22.10
3	26.08.2021	23.09.2021	8.071	508.4	22.60

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 23.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	**: Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2021	23.09.2021	8.157	506.8	22.52
2	26.08.2021	23.09.2021	8.141	519.2	23.08
3	26.08.2021	23.09.2021	8.130	527.4	23.44

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 04.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	: **Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.09.2021	04.10.2021	8.179	516.7	22.96
2	06.09.2021	04.10.2021	8.194	504.3	22.41
3	06.09.2021	04.10.2021	8.183	529.8	23.55

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 04.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	: **Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.09.2021	04.10.2021	8.105	500.7	22.25
2	06.09.2021	04.10.2021	8.114	483.2	21.48
3	06.09.2021	04.10.2021	8.129	474.1	21.07

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22 Date: 04.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	**: Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.09.2021	04.10.2021	8.164	483.5	21.49
2	06.09.2021	04.10.2021	8.138	479.7	21.32
3	06.09.2021	04.10.2021	8.197	494.1	21.96

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 15.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	: **Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.09.2021	15.10.2021	8.051	473.2	21.03
2	17.09.2021	15.10.2021	8.061	498.5	22.16
3	17.09.2021	15.10.2021	8.078	484.1	21.52

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

EERS

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 15.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of the work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.09.2021	15.10.2021	8.143	475.2	21.12
2	17.09.2021	15.10.2021	8.167	508.6	22.60
3	17.09.2021	15.10.2021	8.195	485.4	21.57

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

R SHIVARAM

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22 Date: 15.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	**: Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.09.2021	15.10.2021	8.021	500.4	22.24
2	17.09.2021	15.10.2021	8.037	529.3	23.52
3	17.09.2021	15.10.2021	8.064	516.6	22.96

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

NAME OF WORK : IMPROVEMENTS

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 20.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri R Shivaram,** Contractor, Bangalore.

Name of the work : Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.09.2021	20.10.2021	8.174	511.1	22.72
2	22.09.2021	20.10.2021	8.146	507.9	22.57
3	22.09.2021	20.10.2021	8.121	494.2	21.96

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

ಬಿಬಿಎಂಪಿ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಚೇರಿ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner

NAME OF WORK : IMPROVEMENTS TO ROADS ...

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RS/W.No.05/2021-22

Date: 20.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	**: Sri R Shivaram,** Contractor, Bangalore.
Name of the work	: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.09.2021	20.10.2021	8.104	515.8	22.92
2	22.09.2021	20.10.2021	8.085	502.3	22.32
3	22.09.2021	20.10.2021	8.072	527.4	23.44

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned by CamScanner